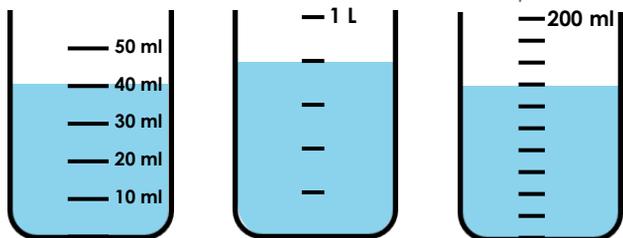


What is Volume?

1. Match the amount of liquid in each container to the correct volume.



140 cm³

40 cm³

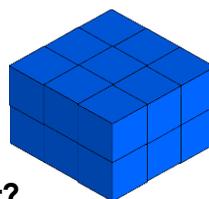
800 cm³

VF

4. Ellie is calculating the volume of her shape.



My shape has a length of 3 cubes, a width of 3 cubes and a height of 2 cubes. The volume of my cuboid is 8 cm³.

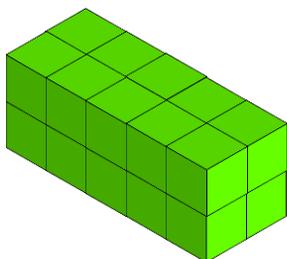


Is Ellie correct?
Convince me.

1 cube = 1 cm³

R

2. Complete the sentences below to show the volume of this cuboid.



The cuboid is made up of _____ cubes.
The volume of the cuboid is _____ cm³.

1 cube = 1 cm³

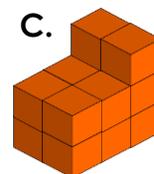
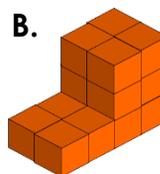
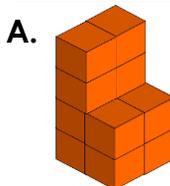
VF

5. Use the clues below to work out which shape is being described.

The shape has a width of 2 cm.

The volume of the shape is between 13 and 17 cm³.

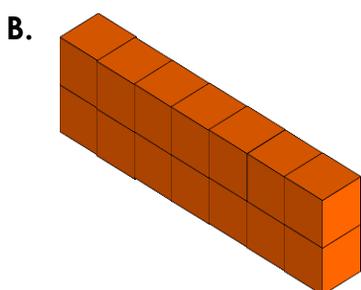
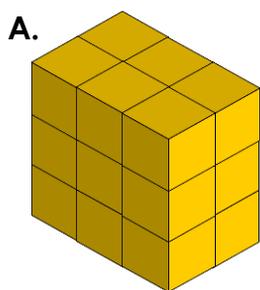
To make the shape a cuboid, I need to add 8 more cubes.



1 cube = 1 cm³

PS

3. Count the cubes to work out the volume of the cuboids below.



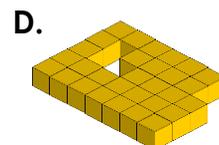
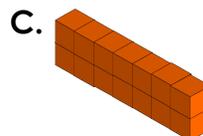
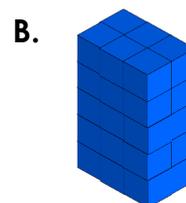
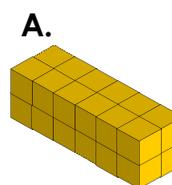
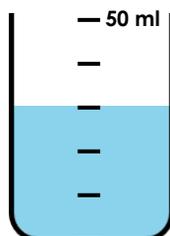
A = _____ cm³

B = _____ cm³

1 cube = 1 cm³

VF

6. Which of the cuboids below do not total the volume of liquid inside the beaker.

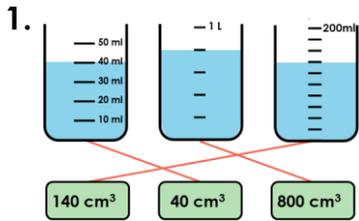


Convince me.

1 cube = 1 cm³

R

What is Volume?



2. 20; 20 cm³

3. A. 18 cm³; 14 cm³

4. Ellie is incorrect because she has added the length, width and height of the shape rather than multiplying them. The volume of the shape is 18 cm³.

5. Shape B is being described. It has a width of 2 cm, it has a volume of 16 cm³ and it needs 8 more cubes to be made into a cuboid.

6. A and C do not have a volume 30 cm³, which is the volume of liquid in the container.